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JC715 U.S. PTO

09/740068 - 122000

JC406 U.S. PTO
09/740068
12/20/00

REISSUE PATENT APPLICATION TRANSMITTAL DIVISIONAL OF REISSUE APPLICATION SERIAL NO. 09/653,482

Address to:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

Attorney Docket No. 2000_1727
First Named Inventor Mitsuaki OSHIMA
Original Patent Number 5,802,241
Original Patent Issue Date September 1, 1998
(Month/Day/Year)
Express Mail Label No.

APPLICATION FOR REISSUE OF:

(check applicable box) ☒ Utility Patent

☐ Design Patent

☐ Plant Patent

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (PTO/SB/56)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification and Claims
(amended, if appropriate)
3. ☒ Drawing(s)
(proposed amendments, if appropriate)
4. ☒ Reissue Oath / Declaration (original or copy)
(37 CFR 1.175)(PTO/SB/51 or 52)
5. Original U.S. Patent
☒ Offer to Surrender Original Patent (37 CFR 1.178)
(PTO/SB/53 or PTO/SB/54)
or
☐ Ribbonded Original Patent Grant
☐ Affidavit/Declaration of Loss (PTO/SB/55)
6. Original U.S. Patent currently assigned?
☒ Yes ☐ No
(If Yes, check applicable box(es))
☒ Written Consent of all Assignees
(PTO/SB/53 or 54)
☒ 37 CFR 3.73(b) Statement
☒ Power of Attorney

ACCOMPANYING APPLICATION PARTS

7. ☒ Foreign Priority Claim (35 USC 119)
(if applicable)
8. ☒ Information Disclosure Statement
(IDS)/PTO-1449
☒ Copies of IDS Citations
9. English Translation of Reissue
Oath/Declaration (if applicable)
10. ☐ Small Entity Statement
☐ Statement filed in prior application
Status Still proper and desired
11. ☒ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☒ Other:
1. Request to Transfer Formal Drawings
from Patent File
2. Cover Letter for Application Filed
Without Executed Declaration

14. CORRESPONDENCE ADDRESS



000513

PATENT TRADEMARK OFFICE

By:

Jeffrey B. Filipek
Jeffrey B. Filipek
Registration No. 41,471

WENDEROTH, LIND & PONACK, L.L.P.
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December 20, 2000

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

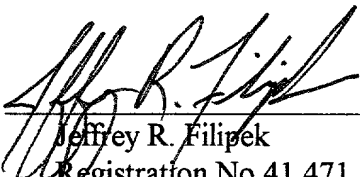
A non-executed copy of the Declaration and Power of Attorney, containing the inventorship information, is attached. It is respectfully requested that all communications be directed to the firm indicated on the attached Declaration and Power of Attorney, namely:

WENDEROTH, LIND & PONACK, L.L.P.
2033 K Street N.W., Suite 800
Washington, D.C. 20006

The required U.S. Patent and Trademark Office Filing Fee is submitted herewith.

Respectfully submitted,

Mitsuaki OSHIMA

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Jeffrey R. Filipek
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Attorney for Patentee

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December 20, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of : Attn: **BOX REISSUE**
U.S. Patent No. 5,802,241 : Atty. Docket No.2000_1727
Issued September 1, 1998 :
Mitsuaki OSHIMA :
Serial No. NEW :
Filed December 20, 2000 :
COMMUNICATION SYSTEM :
(Reissue Divisional
of Serial No. 09/653,482,
Filed August 31, 2000)

PATENT OFFICE FEE TRANSMITTAL FORM

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Attached hereto is a check in the amount of \$870.00 to cover Patent Office fees relating to filing the following attached papers:

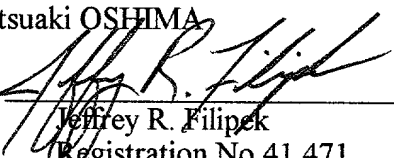
Reissue Application \$870.00

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.

Respectfully submitted,

Mitsuaki OSHIMA

By 
Jeffrey R. Filipek
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December 20, 2000

[Check No. 41288]
2000_1727

Figure 1 consists of 12 sub-graphs labeled (a) through (l), each showing the growth of *E. coli* O157:H7 in ground beef under different conditions. The y-axis for all graphs is \log_{10} CFU/g, ranging from 0 to 10. The x-axis is time in hours, ranging from 0 to 120. The graphs show various growth curves, including control, heat treatment, and different chemical treatments.

- (a) Control: Shows a steady increase in bacterial count over time, reaching approximately 10 \log_{10} CFU/g by 120 hours.
- (b) Heat treatment: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (c) Heat treatment + 100 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (d) Heat treatment + 200 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (e) Heat treatment + 400 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (f) Heat treatment + 600 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (g) Heat treatment + 800 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (h) Heat treatment + 1000 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (i) Heat treatment + 1200 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (j) Heat treatment + 1400 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (k) Heat treatment + 1600 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.
- (l) Heat treatment + 1800 ppm NaCl: Shows a rapid initial increase in bacterial count, followed by a plateau around 8 \log_{10} CFU/g.

In re Reissue Application of

U.S. Patent No. 5,802,241

Issued September 1, 1998

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Mitsuaki OSHIMA

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Serial No. NEW

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Filed December 20, 2000

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COMMUNICATION SYSTEM

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(Reissue Divisional

of Serial No. 09/653,482.

Filed August 31, 2000)

Assistant Commissioner for Patents
Washington, DC 20231

Matsushita Electric Industrial Co., Ltd., the assignee of the entire interest in the above-mentioned letters patent, hereby consents to the above-identified reissue application.

In accordance with 37 C.F.R. 3.73(b) the assignee hereby establishes its ownership of the above-identified U.S. patent by specifying that evidence of such ownership was recorded on June 17, 1994 in the U.S. Patent and Trademark Office at reel 7034, frame 0347. Accordingly, to the best of the assignee's knowledge and belief, title is in the assignee seeking to take this action.

The undersigned is authorized to act on behalf of the assignee.

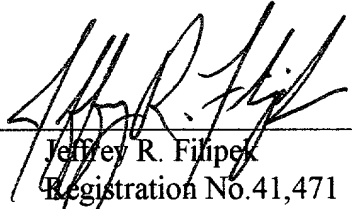
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine

or imprisonment, or both, under §1001, Title 18 of the U.S. Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

Mitsuaki OSHIMA

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December 20, 2000



THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Mitsuaki OSHIMA

Serial No. 09/740,068

Filed December 20, 2000

COMMUNICATION SYSTEM

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Attn: BOX MISSING PARTS

Attorney Docket No. 2000_1727

PATENT OFFICE FEE TRANSMITTAL FORM

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Attached hereto is a check in the amount of \$130.00 to cover Patent Office fees relating to filing the following attached papers:

Late filing of executed Declaration \$130.00

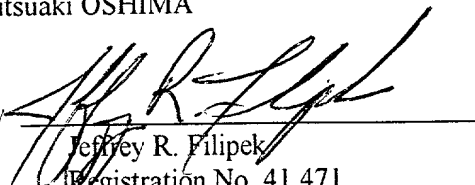
A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.

Respectfully submitted,

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June 11, 2001

[Check No. 44895]

2000_1727